

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1-5. (canceled)

6. (amended) A method for determining the scattering produced by one or more particles in a stream in a flow channel, the method comprising:

activating a linear array of light sources to provide a substantially constant light intensity across a width of the flow channel; [[and]]

receiving with a light detector the substantially constant light intensity provided across the width of the flow channel by the linear array of light sources; and

wherein the substantially constant light intensity provided across the width of the flow channel provides for consistent measurement accuracy across the width of the flow channel.

7. (original) The method of claim 6, wherein the linear array of light sources is non-parallel to the flow channel.

8. (original) The method of claim 6, further comprising analyzing a scatter pattern produced by the one or more

particles in a stream in the flow channel as detected by the light detector.

9. (original) The method of claim 8, further comprising:
 activating a second linear array of light sources to
 provide a second substantially constant light
 intensity across the width of the flow channel;
 and
 receiving with a second light detector the second
 substantially constant light intensity provided
 across the width of the flow channel by the
 second linear array of light sources.
10. (original) The method of claim 9, wherein the second
linear array of light sources is non-parallel to the flow
channel.
11. (original) The method of claim 9, further comprising
determining a velocity of one or more particles in the
stream in the flow channel from the light detectors.
12. (original) An apparatus for analyzing one or more
particles in a stream in a flow channel, the apparatus
comprising:
 a linear array of light sources for providing a
 substantially constant light intensity across a

width of the flow channel; and
a light detector for receiving the substantially
constant light intensity across the width of the
flow channel from the linear array of light
sources.

13. (original) The apparatus of claim 12, wherein the
linear array of light sources is non-parallel to the flow
channel.

14. (original) The apparatus of claim 12, further
comprising a processor, connected to the light detector,
for analyzing a scatter pattern produced by one or more
particles in a stream in the flow channel as detected by
the light detector.

15. (original) The apparatus of claim 14, further
comprising:

a second linear array of light sources for providing a
second substantially constant light intensity
across the width of the flow channel; and
a second light detector for receiving the
substantially constant light intensity across the
width of the flow channel from the second linear
array of light sources.

16. (original) The apparatus of claim 15, wherein the

second linear array of light sources is non-parallel to the flow channel.

17. (original) The apparatus of claim 15, wherein the processor is connected to the second light detector for determining a velocity of one or more particles in the stream in the flow channel.